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Response under 37 CFR 1.116
Expedited Procedure
Group 3724

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANTS:	R. MAYR ET AL	EXAMINER:	K. E. PETERSON
SERIAL NO.:	09/674,205	GROUP:	3724
FILED:	OCTOBER 27, 2000		
FOR:	MILL SAW		

RESPONSE UNDER 37 CFR 1.116

MAIL STOP AF
Commissioner of Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

In response to the Office letter of August 12, 2004, applicants respectfully traverse the rejection of claim 6 under 35 U.S.C. 103(a) as being unpatentable over Wallers in view of Gebhart and Murray, all cited.

The Examiner has repeated the grounds of rejection verbatim and, to avoid redundancy, applicants incorporate herein the comments in the response filed June 17, 2004. Applicants respectfully submit that the previously advanced arguments fully support the patentability of claim 6.

Concerning the Examiner's response to applicants' arguments, applicants do not understand why the Examiner does

not recognize that, in the claimed mill saw, there is no necessary dependency between the angle of rotation of slider crank drive 4 and motor 10 driving feed conveyor 6. Of course, feed conveyor 6 must be synchronized with slider crank drive 4. This is effected according to feature (f) of claim 6 by transmitting an electronic signal indicating a preset position of rotation of the slider crank drive to controlling system 12 of motor 10. When the motor receives the signal, it can be driven independently of the position of rotation of the slide crank drive, as is shown in Fig. 4. As illustrated, the motors driving feed conveyor 6 are driven at an appropriate rate of feed v_a of feed conveyor 6 before the feed conveyor is driven according to speed gradient curve 19 of saw frame 3. The control of the rate of feed v_a, which may be adapted to different operating conditions, is independent from the angle of rotation of slider crank drive 4 at this time of the operation, and the subsequent rate of feed is not controlled in dependence on the angle of rotation. Thus, the Examiner is respectfully submitted to be incorrect in holding that the control of motor 10 is not independent of the angle of rotation of the slide crank drive.

Concerning the Examiner's explanation that he proposes to replace Wallers' mechanical system by Gebhart's electronic system, this approach does not change the substance of applicants' arguments. According to Gebhart, sensing device 66

connected to the saw blade may be provided to control the displacement of saw table 4. Since the position of the saw blade in Wallers depends solely on the angle of rotation of the slide crank drive for the saw blade, the use of Gebhart's sensing device 66 in Wallers again makes the control of drive of the feed conveyor dependent on the angle of rotation of the slide crank drive, which is to be avoided in the claimed mill saw.

In view of the above, allowance of generic claim 6 is respectfully solicited, making claims 7, 9 and 10 allowable since they depend on claim 6. The allowance of claim 8 is gratefully noted.

Respectfully submitted,
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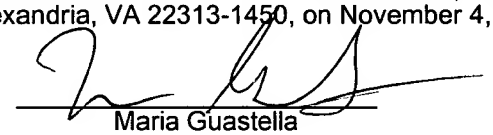
I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: MAIL STOP Amendment, COMMISSIONER FOR PATENTS, P.O. Box 1450, Alexandria, VA 22313-1450, on November 4, 2004.



Maria Guastella

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